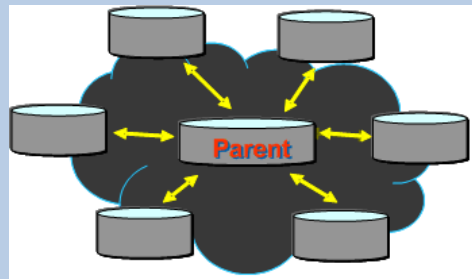
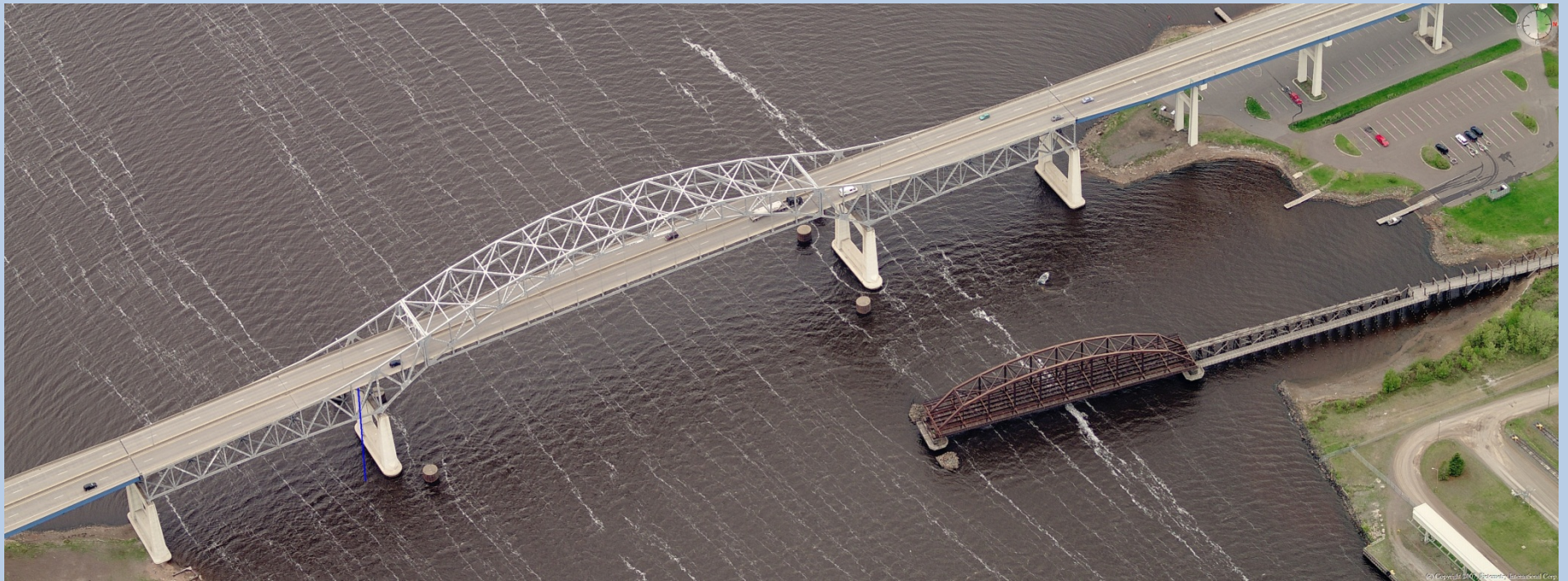
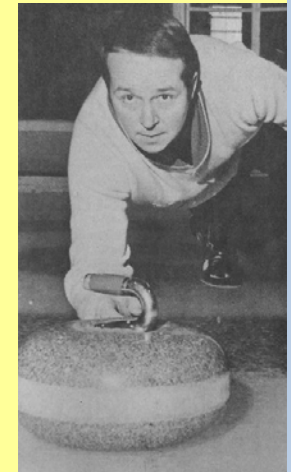
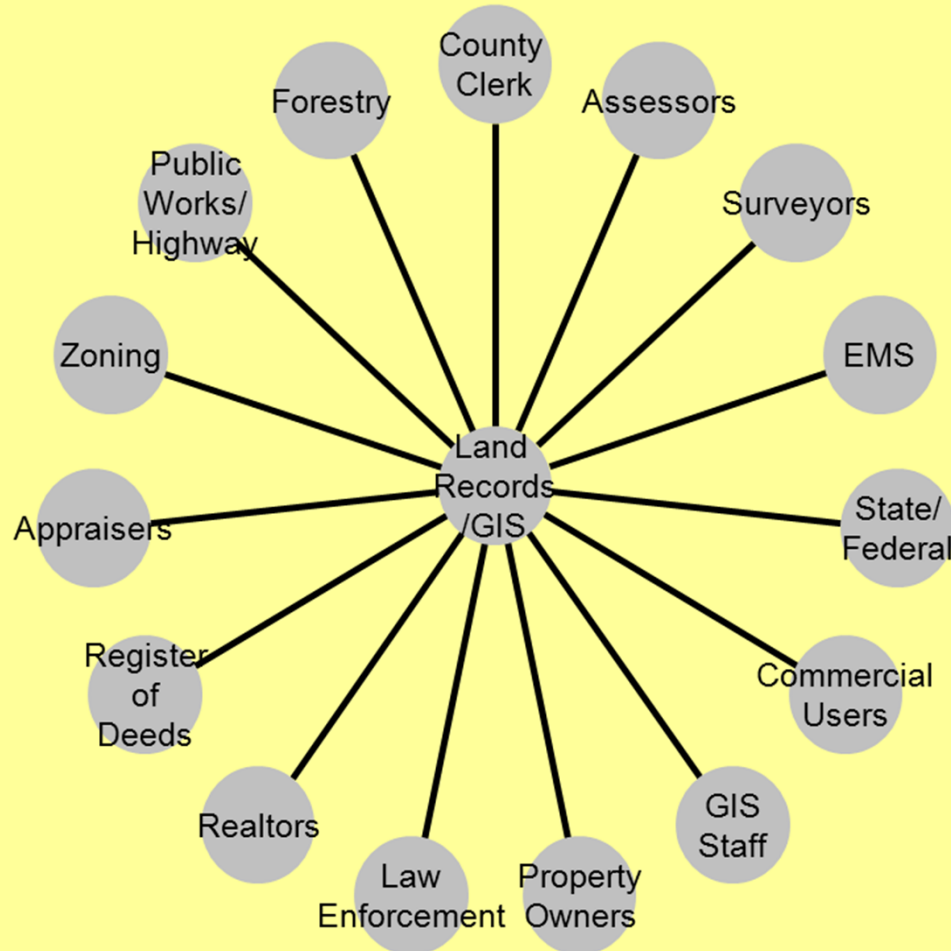




City of Superior/Douglas County GIS Data Replication



Bud's Land Records/GIS Wheel



Ex-world champ shows form
 Riding high on his left toe on the ice of Wausau Curling Club, with his head low, Bud Semerville of Superior, who has won Wisconsin, U.S. and world curling titles, displays his fine form. In district playdowns Friday in Wausau Semerville won his first two games handily and he looks like a shoe-in for state competition next weekend in Wausau.

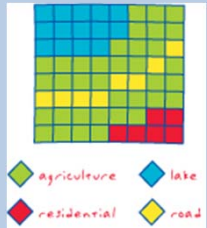
What is GIS?

Geographic Information Systems (GIS) - An integrated collection of computer software and data used to view and manage information about geographic places, analyze spatial relationships, and model spatial processes. A GIS provides a framework for gathering and organizing spatial data and related information so that it can be displayed and analyzed.

GIS is more than just maps, it is:

- Data
- Hardware
- Software
- People
- Methods





Some Common GIS Terms

Metadata = The data about the data

Vector = A coordinate-based data model that represents geographic features as points, lines, and polygons.

Raster = A spatial data model that defines space as an array of equally sized cells arranged in rows and columns, and composed of single or multiple bands.

Shapefile = A vector data storage format for storing the location, shape, and attributes of geographic features. A shapefile is stored in a set of related files and contains one feature class.

Geodatabase = A database or file structure used primarily to store, query, and manipulate spatial data. Geodatabases store geometry, a spatial reference system, attributes, and behavioral rules for data.

Map Service - A type of Web service that generates maps.

Nutrition Facts	
Serving Size 1 slice (40g)	
Servings per Container 20	
Amount per Serving	
Calories 90	Calories from Fat 5
% Daily Value*	
Total Fat 0.5g	1%
Saturated Fat 0g	0%
Cholesterol 0mg	0%
Sodium 150mg	6%
Total Carbohydrate 18g	6%
Dietary Fiber 2g	8%
Sugars 5g	
Protein 4g	
Vitamin A 0%	Vitamin C 0%
Calcium 4%	Iron 6%
* Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs.	
	Calories 2,000 2,500
Total Fat	Less than 65g 80g
Sat Fat	Less than 20g 25g
Cholesterol	Less than 300mg 300mg
Sodium	Less than 2,400mg 2,400mg
Total Carbohydrate	300g 375g
Fiber	25g 30g
Calories per gram:	
Fat 9	Carbohydrates 4 Protein 4

For More Definitions visit ESRI'S GIS Dictionary @

<http://support.esri.com/index.cfm?fa=knowledgebase.gisDictionary>

COSDC ENTERPRISE GIS

- ▶ ST LOUIS COUNTY GIS
- ▶ 2010 WLIA GIS AWARD
- ▶ WLIA DATA STANDARDS/EXPORTS & LRM
- ▶ NEXTGEN 911

- ▶ AERIAL PHOTOS/LIDAR
 - PHOTOS EVERY 3 YEARS
 - LIDAR EVERY 10 – HOPEFUL?

GIS @ Douglas County and the City of Superior

- ▶ ESRI Enterprise License Agreement
- ▶ Periodic ArcMap Training Sessions
- ▶ Web Site and Web Applications
- ▶ MapServices Based Templates





City/County GIS Staff



Superior GIS Staff (2)

- GIS Coordinator
- GIS Technician (Douglas County WLIP Grant Fabric Maintenance)

Douglas County Land Information Office Staff (4)

- Land Information Director
- Taxlister
- Two GIS Technicians



Cooperative Agreement Between the City of Superior and Douglas County



AN AGREEMENT BETWEEN THE CITY OF SUPERIOR AND DOUGLAS COUNTY

Whereas, the City of Superior and Douglas County continue to find cooperative efforts that can reduce the cost of government for the taxpayers, this Agreement documents cooperative efforts for sharing land records and geographical information systems resources for the City and the County.

1. PARTIES:

This agreement, effective May 21, 2009 between the City of Superior, (hereinafter referred to as "City") and Douglas County, (hereinafter referred to as "County") is entered into pursuant to the provisions of Section 66.30 of Wisconsin Statutes relating to joint exercise of powers, for the purpose of sharing land records and geographical information systems (GIS) resources of the City of Superior and Douglas County.

2. HARDWARE/SERVERS:

The City and County will continue to maintain and support the GIS Data Server (ArcGIS SDE) and other file servers where GIS Data resides on the 4th Floor of the County Building in the combined Information Services (IS) Department of the City/County.

- Maintenance of the server/s will be shared between the City and County GIS and IS Staff
- Cost of replacement or repair of the server/s will be shared between the City and County

3. ENTERPRISE LICENSE AGREEMENT (ELA)

The City and County agree to pay \$20000 each for the Enterprise License Agreement (ELA) agreement signed with Environment Systems Research Institute (ESRI) totaling \$40,000 a year until May 31, 2011. When the ELA expires a new agreement will be considered. In the event a beneficial agreement cannot be reached, GIS related software licenses shall be independently purchased by each entity.

4. STATEMENT OF SERVICES:

The County agrees to maintain Geographical Information System (GIS) hardware and software for the County and City users as agreed upon by the City's GIS Supervisor and the County's Land Information Officer to include:

1. Perform system functions to transfer data into GIS software or new software packages.
2. Cooperatively perform GIS mapping and data entry support for base map data, roads, geocoded addresses, voting data/boundaries, Public Land Survey System (PLSS), etc.
3. Maintain City parcel map edits.







Data Infrastructure

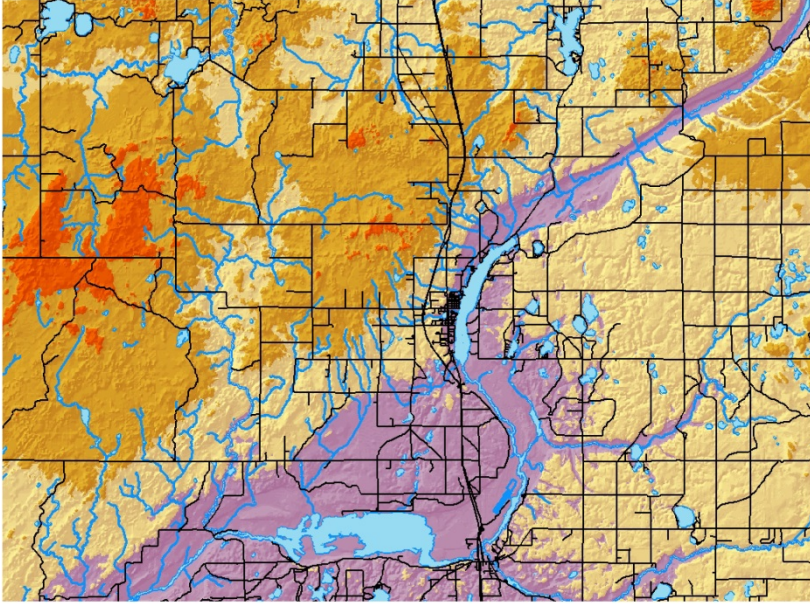


**City of Superior /
Douglas County**

Enterprise Geospatial Data Infrastructure

 **2013-2014**
Version 1.6 

Living up to our name.  



The map displays a geospatial dataset with various layers. It includes a grid overlay, blue lines representing water bodies and streams, and colored areas in shades of orange, red, and purple, likely representing different land use or terrain types. The map is centered on the Superior, Wisconsin area.



WLIA LOCAL GOVERNMENT ACHEIVEMENT Award



WISCONSIN
LAND INFORMATION
ASSOCIATION

Box 389 • Wild Rose, WI 54984 • 1/800/344/0421
www.wlia.org • fax 715/366/4501

February 5, 2010

To the Great County of Douglas, Wisconsin

Congratulations!

You have been nominated and selected along with the City of Superior, by the Wisconsin Land Information Association (WLIA) to receive the "LOCAL GOVERNMENT ACHIEVEMENT" award.

This award is given to a local, municipal, tribal, county government or consortium that has implemented modernization using Wisconsin Land Information Program funds in such a way as to exemplify the goals of the program in the following areas:

- Innovative applications (best bang for the buck)
- Local data sharing with statewide accessibility
- Cooperative agreement

We invite you to accept your award at the awards luncheon scheduled at noon during the annual WLIA conference to be held February 26th in Appleton Wisconsin at the Radisson Paper Valley. You can access the program for conference information at www.wlia.org

Please contact me at 608-339-4206 or jhelgeson@co.adams.wi.us to indicate who from your organization will be attending. There is no cost for the luncheon for two attendees. Additional attendees may attend and purchase a lunch for \$20 each. If you are unable to attend and would like the award presented at a county board meeting, please let me know.

Again, congratulations on your award

Sincerely,

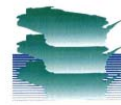
Jodi M. Helgeson
WLIA Past President and Award Chair

Officers

Cristina Pearson, President
Kelly Felson, President-Elect
Jodi Helgeson, Past President

Directors

Allen Brokmeier
Emily Champagne
Larry Cusforb
Chris Diller
Andrea Fagan
Steve Geiger
Peter Miller
Doug Miskowiak
David Mochert
Lisa Morrison
Ron Ostrowski
Bill Stockley
Ann Barrett, CAE
Executive Services Manager



WISCONSIN
LAND INFORMATION
ASSOCIATION

Box 389 • Wild Rose, WI 54984 • 1/800/344/0421
www.wlia.org • fax 715/366/4501

RECEIVED

FEB 08 2010
SLC ADMIN.

February 5, 2010

To the County of St. Louis Minnesota

Congratulations!

You have been nominated and selected by the Wisconsin Land Information Association (WLIA) to receive the "FRIEND OF LAND RECORDS" award.

This award is given to an individual or organization that is not a WLIA member but has contributed to the success or advancement of land records modernization in Wisconsin. You are being recognized for your cooperative effort with the City of Superior and Douglas County in Wisconsin

We invite you to accept your award at the awards luncheon scheduled at noon during the annual WLIA conference to be held February 26th in Appleton Wisconsin at the Radisson Paper Valley. You can access the program for conference information at www.wlia.org

Please contact me at 608-339-4206 or jhelgeson@co.adams.wi.us to indicate who from your organization will be attending. There is no cost for the luncheon for two attendees. Additional attendees may attend and purchase a lunch for \$20 each. If you are unable to attend and would like the award presented at a council meeting, please let me know.

Again, congratulations on your award!

Sincerely,

Jodi M. Helgeson
WLIA Past President and Award Chair

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David Mochert
Lisa Morrison
Ron Ostrowski
Bill Stockley
Ann Barrett, CAE
Executive Services Manager



FEMA Floods



DOUGLAS COUNTY THUNDERSTORM FLOODING JUNE 19, 2012

Wisconsin Department of Military Affairs
Division of Emergency Management

Douglas County Thunderstorm Flooding 07-11-2016

June 2018 Flooding
June 16-18, 2018
Douglas County Wisconsin

FEMA Floods

CITY OF SUPERIOR/DOUGLAS COUNTY JUNE 2012 FLOOD DAMAGE



N



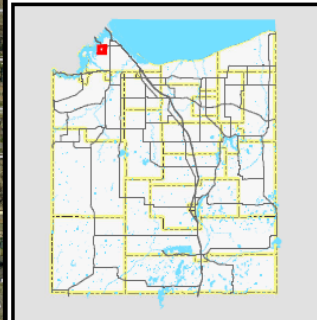


Legend

- COSDC June 2012 Flood Damage Inventory

0 425 850 1,700
Feet

Scale = 1:10,760



Page Information

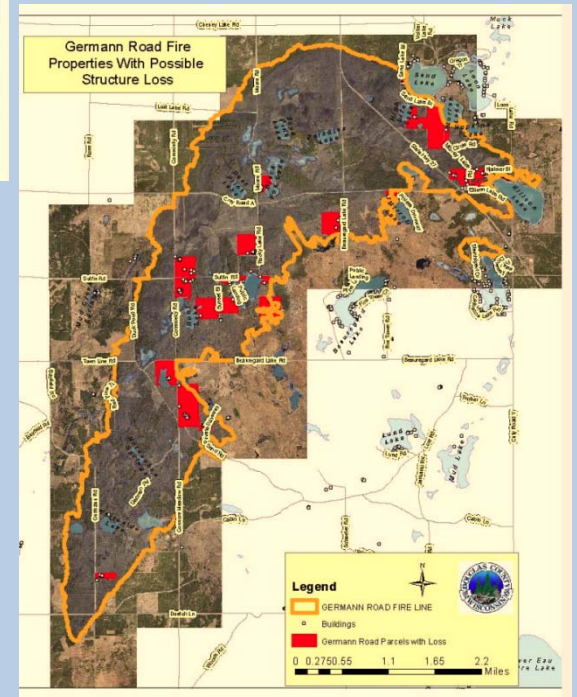
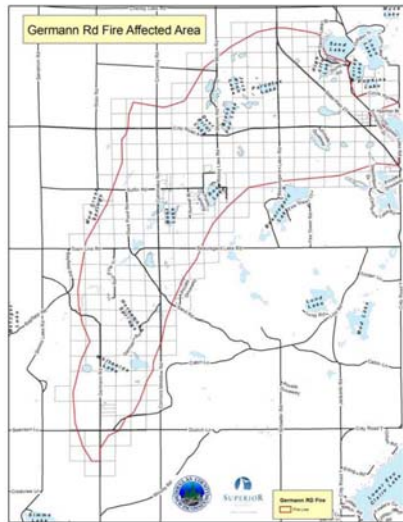
Date: 7/16/2012
Time: 11:57:56 AM
Town, Range, Section = 491421



Germann Road Fire



Germann Road Wildfire May 14-16, 2013 Douglas County Wisconsin





Act 20 and the Wisconsin Land Information Program (WLIP)



WISCONSIN DEPARTMENT OF
ADMINISTRATION

SCOTT WALKER
GOVERNOR
MIKE HUEBSCH
SECRETARY

Wisconsin Land Information Program
Post Office Box 8944
Madison, WI 53708-8944
Voice (608) 267-3369
WLIP@wisconsin.gov
www.doa.state.wi.us/WLIP

Act 20 and the Wisconsin Land Information Program

Act 20, the biennial state budget for state fiscal years 2014 and 2015, has wide-ranging implications for the Wisconsin Land Information Program (WLIP). Changes to the WLIP generated by Act 20 fall under five broad categories:

- Initiative to Create a Statewide Digital Parcel Map
- Increase in Base Budget and Training & Education Grant Eligibility
- Increase in Land Information Fund Revenue
- Update Frequency for County Land Information Plans
- Penalties and Deadlines

Some of these changes, such as increased grant eligibility, take effect in the near term, while other measures, such as an increase in Land Information Fund revenue, will be implemented over the course of the next few years.

One of the most novel provisions of Act 20 affecting the WLIP is the directive for DOA to create an implementation plan for a statewide digital parcel map, which will be a collaborative effort with local governments. A complete, accurate, and continuously maintained digital parcel map would protect and grow Wisconsin's \$460 billion in taxable real estate assets, improve governmental services, and enhance the state's economic competitiveness.

Initiative to Create a Statewide Digital Parcel Map

Section 186¹ Act 20 directs DOA to create an implementation plan for a statewide parcel map and directs counties to coordinate their digital parcel mapping with the state. The implementation planning process will define the end product envisioned for a five-year process of statewide digital parcel map development—a geographic information system (GIS) that meets end users' business needs, whether at the state or local levels of government, as well as those of the private sector.

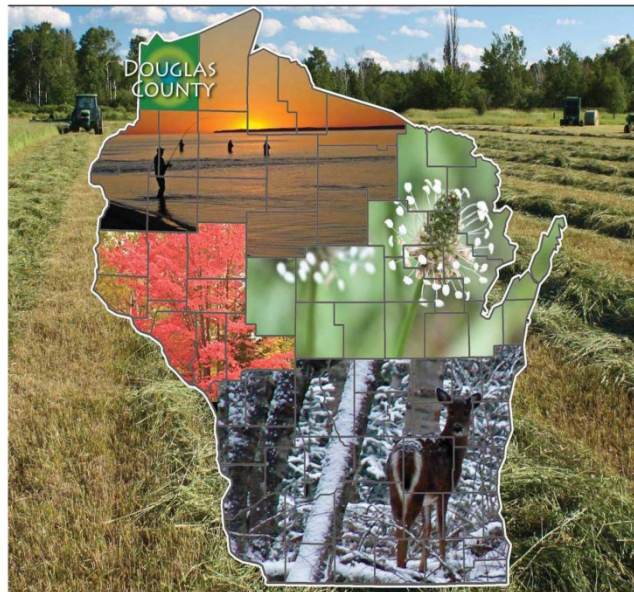
¹ SECTION 186. 16.967 (3) (h) of the statutes is created to read:
16.967 (3) (h) Establish an implementation plan for a statewide digital parcel map.
SECTION 186k. 16.967 (7) (a) 2m. of the statutes is created to read:
16.967 (7) (a) 2m. In coordination with the department, the creation, maintenance, or updating of a digital parcel map.



Act 20 and the Wisconsin Land Information Program (WLIP) Land Modernization Plan



Douglas County Land Information Plan 2019-2021



**Wisconsin Land Information Program
Wisconsin Department of Administration
101 East Wilson Street, 9th Floor
Madison, WI 53703
(608) 267-3369
www.doa.wi.gov/WLIP

Version: 2018-09-26

Approved/Adopted by Land Information Council on: 2018-**-**



Douglas County Land Information Council



The Land Information Council is a subcommittee of the Douglas County Zoning Committee

- <https://www.douglascountywi.org/545/Other-Committees>

LAND INFORMATION COUNCIL

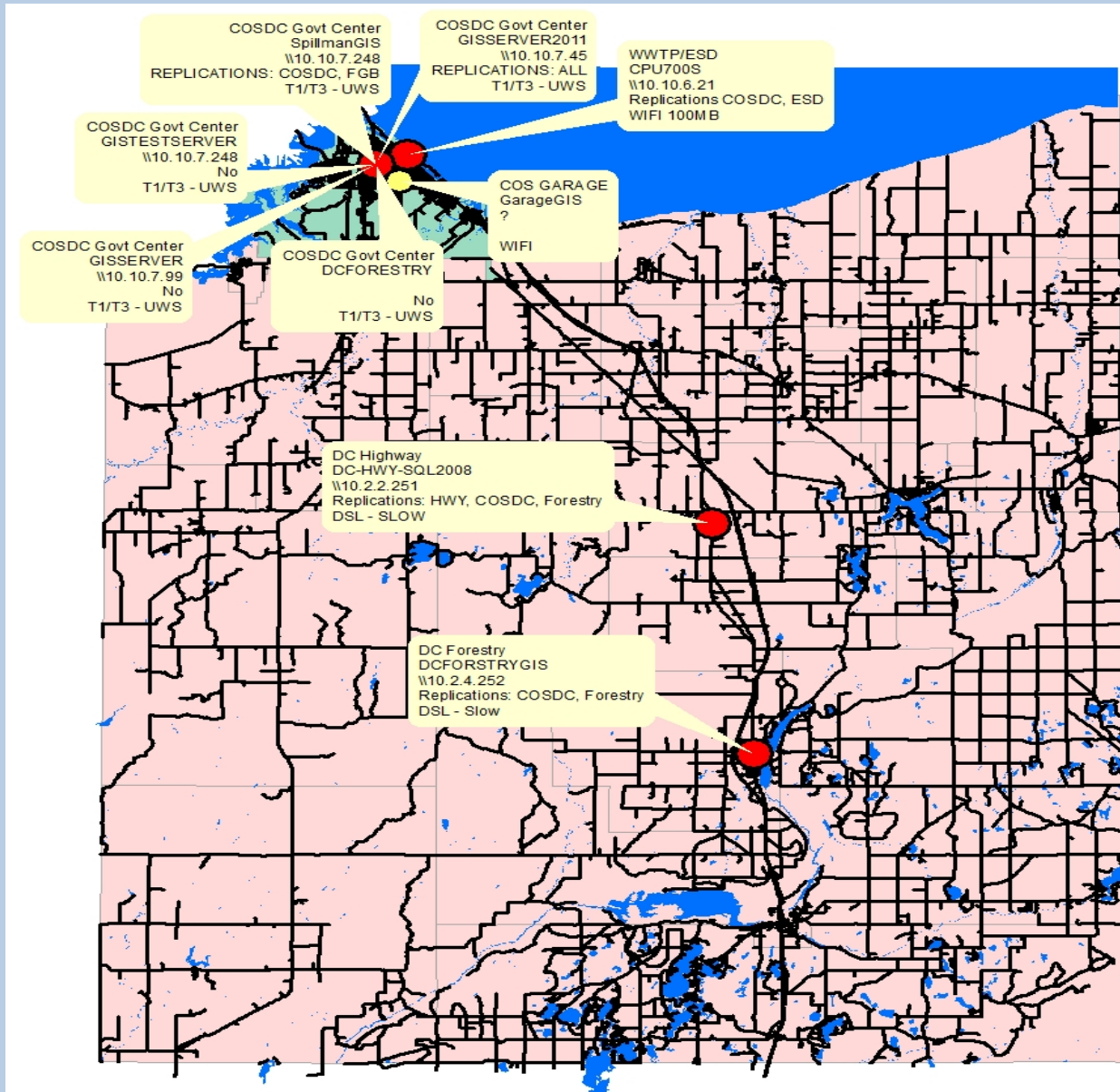
Rosemary Lear, Chair
Matt Johnson
Tracy Middleton
Jon Fiskness
Carol Jones

Maria Letsos
Zach DeVoe
Dave Sletten
Brad Theien

City/County GIS staff update the Zoning Committee monthly on projects and get needed approvals for Wisconsin Land Information Program Grants, Land Records Management Plan, and other items that need approval during the year



Replication Servers



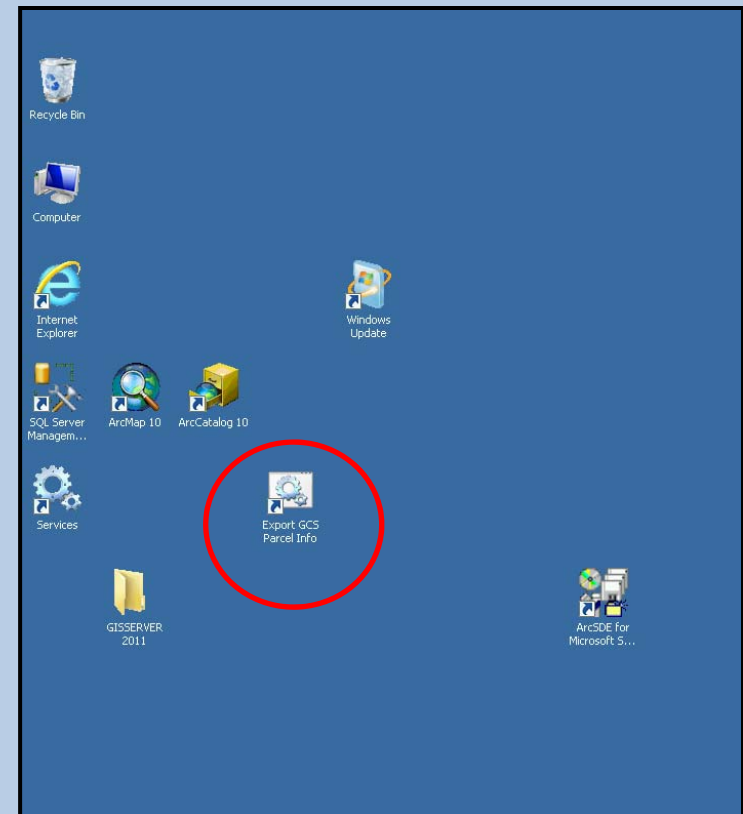


Replication of GCS Taxlister Data



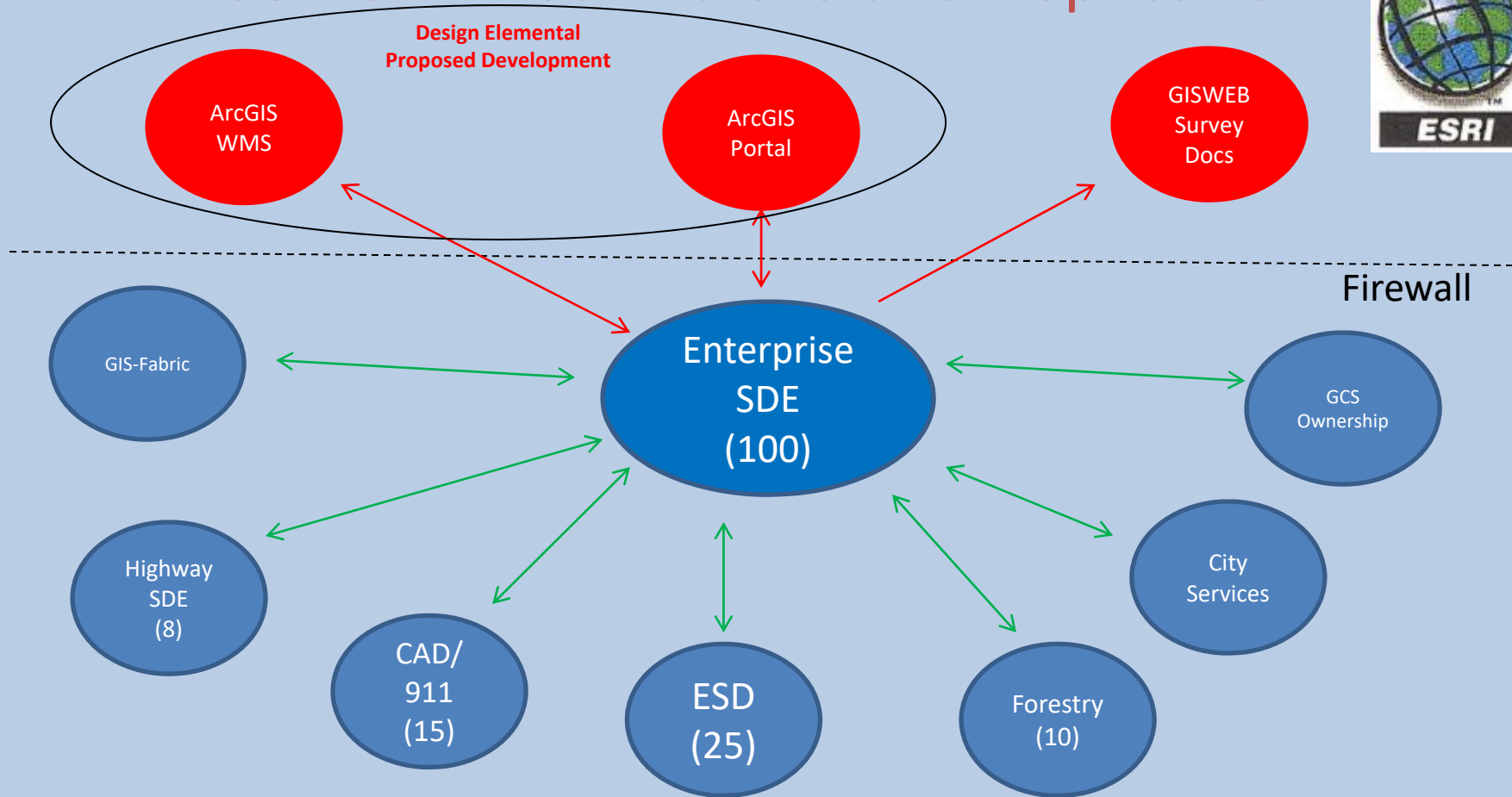
GCS (tax roll) Replication Sequence

- Script (Python) to create a summarized table (SQL Business table)
- Export to Forestry, Highway, Spillman
- Table can be joined to Parcels for ownership info
- Roll Over mid-January to new year



City of Superior/Douglas County Enterprise GIS

Server Infrastructure and Replication



Enterprise Server Based Management allows for:

- Multiple Editors and Viewers
- Replication of data
- Backups Simplified
- Less Duplication of data
- More efficient data delivery and speeds to users





Thank You!!!

Any Questions?

Jon Fiskness, GISP
GIS Coordinator
fisknessj@ci.superior.wi.us
715-395-7423

